

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008243.D
 Acq On : 10 Dec 2016 21:41
 Operator : UM/SJ
 Sample : H5905-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA812

Manual Integrations
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Quant Time: Dec 12 04:30:00 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 12 03:51:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	583	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	1992	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1347	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2443	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	2394	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	2144	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	793	0.28	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	1734m	0.25	ng/ul	-0.01
Target Compounds						Ovalue
3) Naphthalene	10.51	128	8991	1.61	ng/ul	95
5) 2-Methylnaphthalene	12.12	142	8738	2.43	ng/ul	97
7) Acenaphthylene	14.04	152	6237	1.02	ng/ul	95
8) Acenaphthene	14.38	153	955	0.21	ng/ul	95
9) Fluorene	15.38	166	813	0.15	ng/ul#	61
12) Phenanthrene	17.11	178	26445	3.48	ng/ul	95
13) Anthracene	17.19	178	8104	1.13	ng/ul	98
15) Fluoranthene	19.14	202	53448	5.44	ng/ul	94
17) Pyrene	19.50	202	44806	5.39	ng/ul	97
18) Benzo(a)anthracene	21.26	228	35707	4.86	ng/ul	98
19) Chrysene	21.31	228	38899	4.26	ng/ul	99
21) Benzo(b)fluoranthene	22.83	252	69146m	8.08	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	20104m	2.28	ng/ul	
23) Benzo(a)pyrene	23.40	252	39595	4.94	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.74	276	35878	3.62	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.74	278	9005	1.13	ng/ul	97
26) Benzo(a,h,i)perylene	26.43	276	30531	3.47	ng/ul#	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

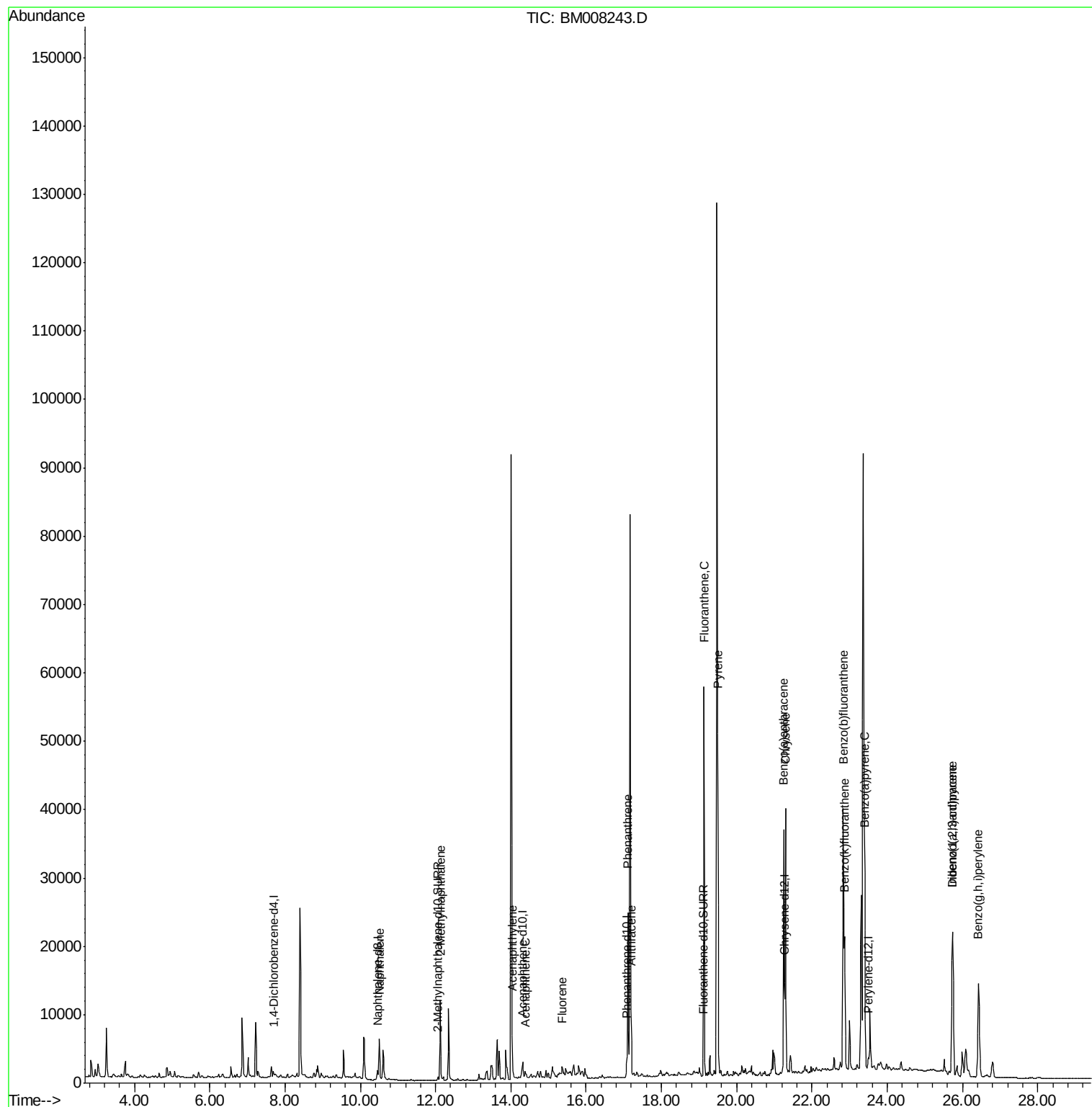
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008243.D
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Misc :
ALS Vial : 19 Sample Multiplier: 1

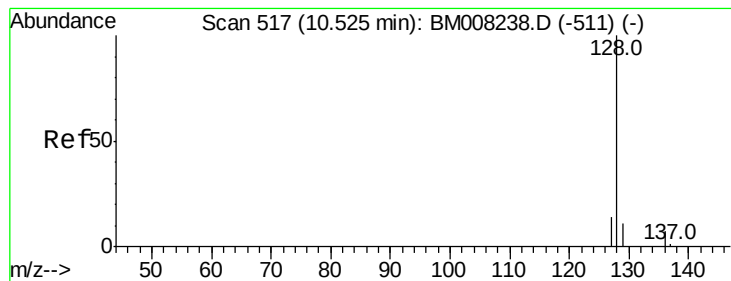
Instrument :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
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#3

Naphthalene

Concen: 1.61 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

Instrument :

BNA_M

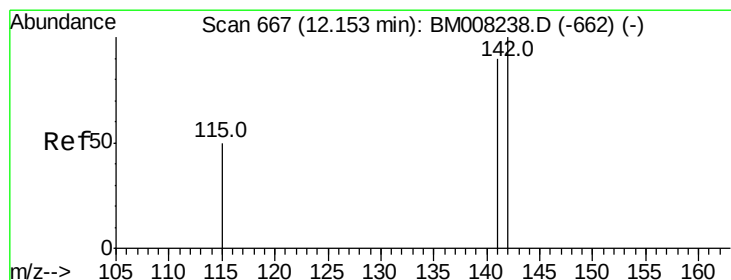
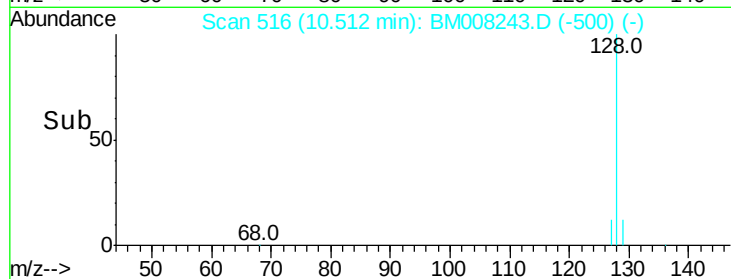
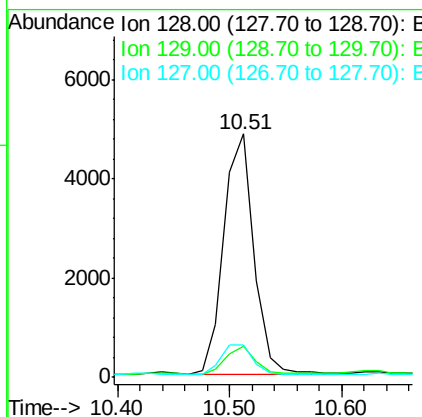
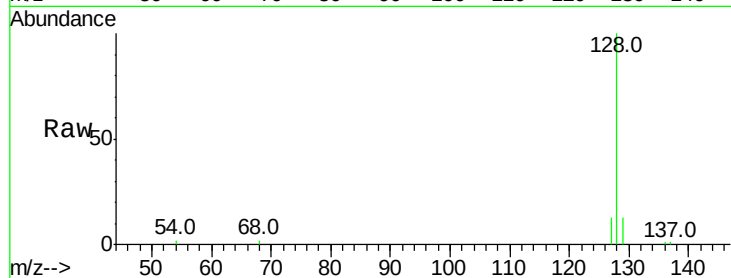
ClientSampleId :

DA812

Tot Ion:	128	Resp:	8991
Ion	Ratio	Lower	Upper
128	100		
129	13.0	11.3	16.9
127	13.4	12.8	19.2

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#5

2-Methylnaphthalene

Concen: 2.43 ng/ul

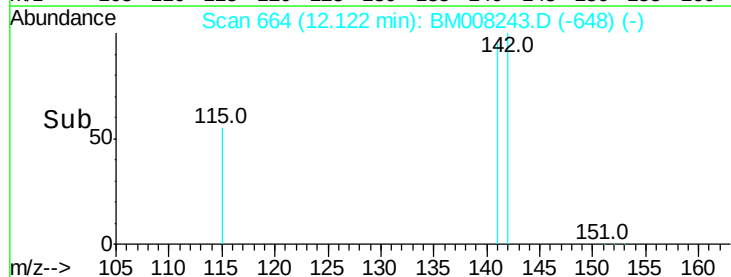
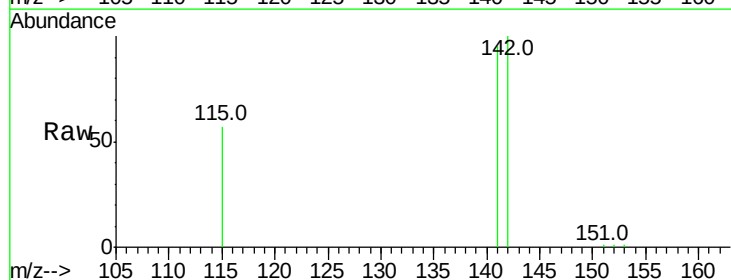
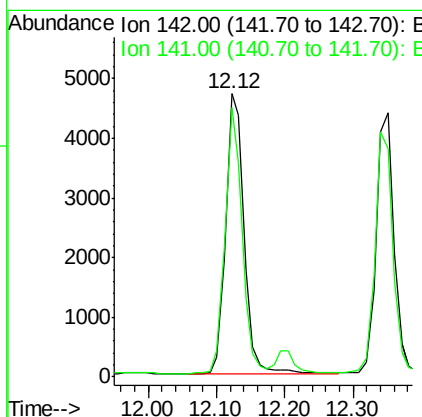
RT: 12.12 min Scan# 664

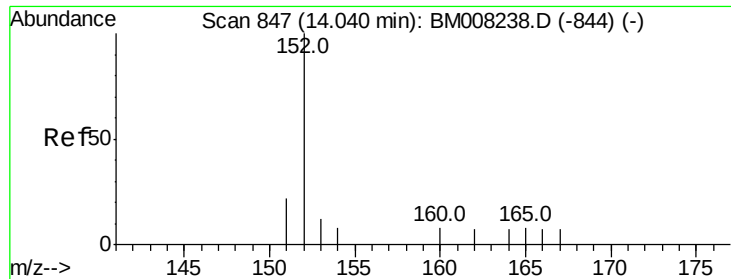
Delta R.T. -0.03 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

Tgt Ion:	142	Resp:	8738
Ion	Ratio	Lower	Upper
142	100		
141	88.1	72.6	108.8





#7

Acenaphthylene

Concen: 1.02 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

Instrument :

BNA_M

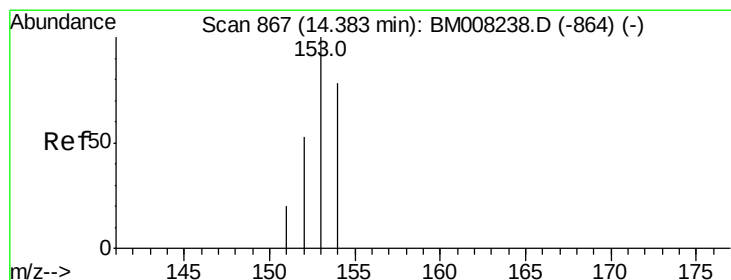
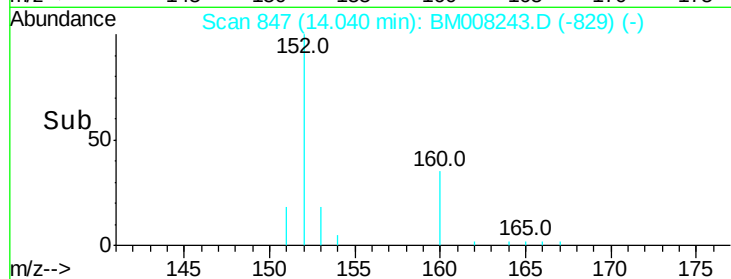
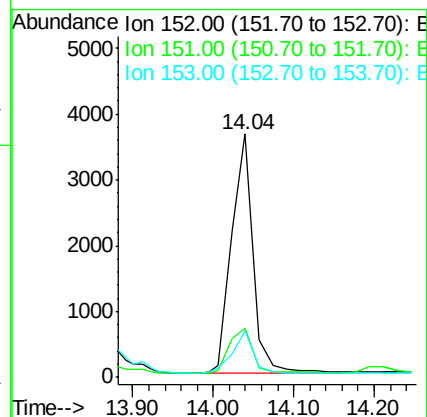
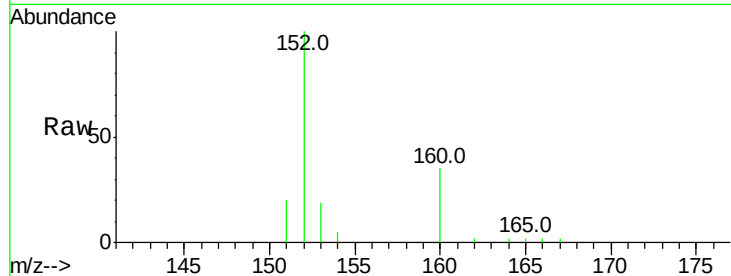
ClientSampleId :

DA812

Tot Ion:	152	Resp:	6237
Ion Ratio	Lower	Upper	
152	100		
151	19.9	17.1	25.7
153	19.0	12.8	19.2

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#8

Acenaphthene

Concen: 0.21 ng/ul

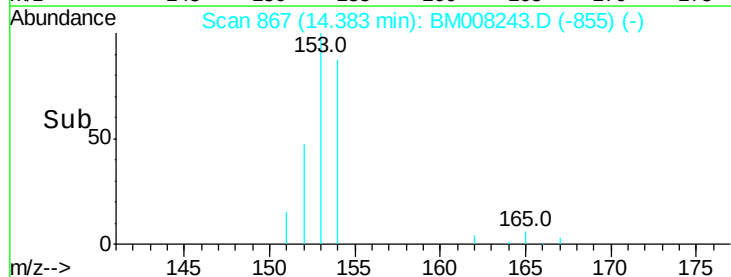
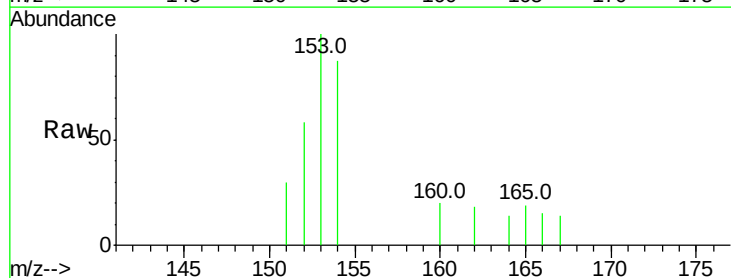
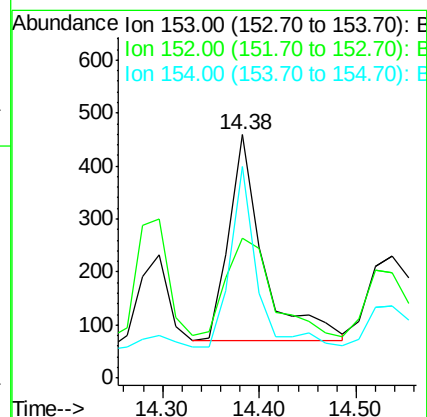
RT: 14.38 min Scan# 867

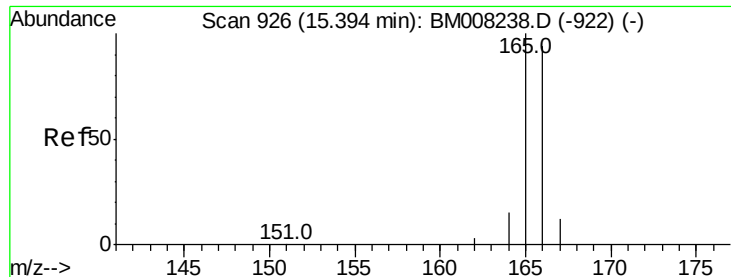
Delta R.T. -0.00 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

Tgt Ion:	153	Resp:	955
Ion Ratio	Lower	Upper	
153	100		
152	57.5	40.3	60.5
154	87.1	71.4	107.2





#9

Fluorene

Concen: 0.15 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

Instrument :

BNA_M

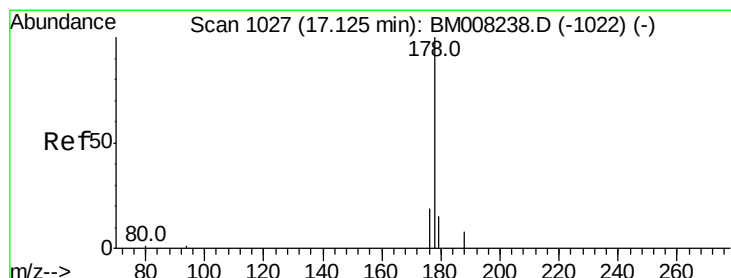
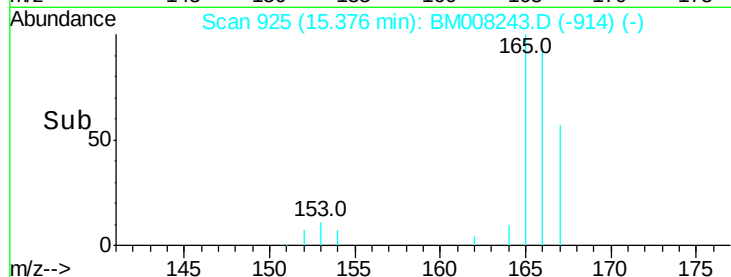
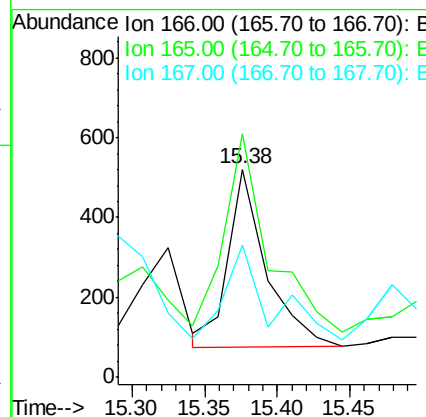
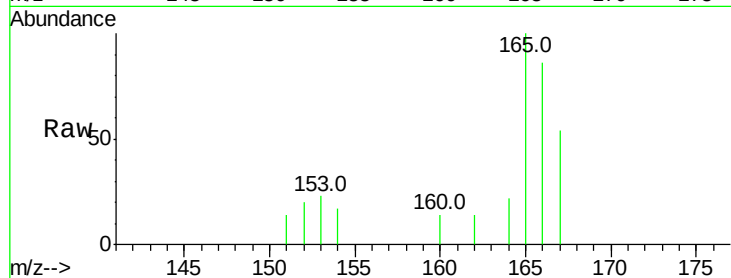
ClientSampleId :

DA812

Tot Ion:	166	Resp:	813
Ion Ratio	Lower	Upper	
166	100		
165	116.9	73.4	110.2#
167	63.3	14.6	22.0#

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#12

Phenanthrene

Concen: 3.48 ng/ul

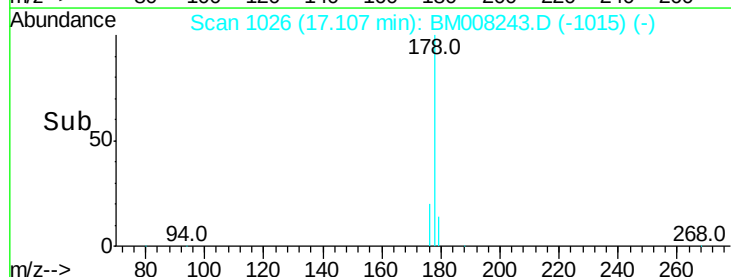
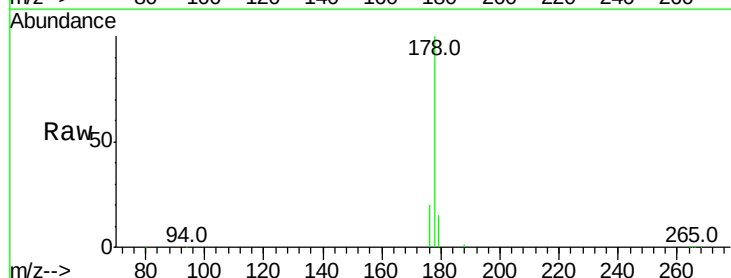
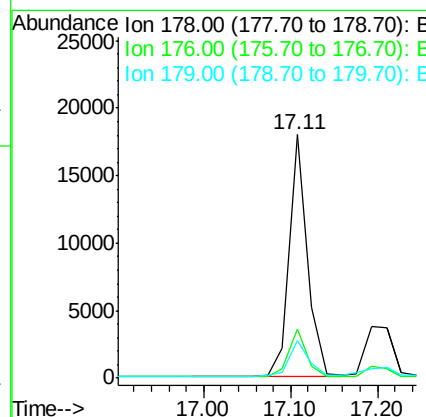
RT: 17.11 min Scan# 1026

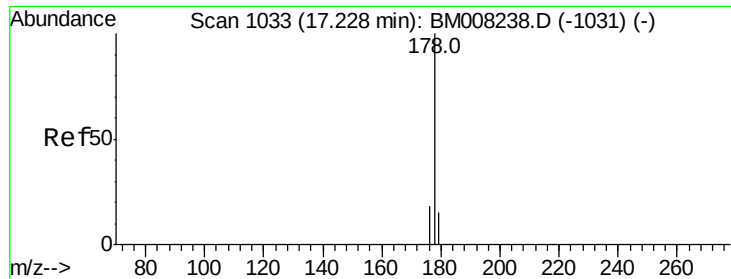
Delta R.T. -0.02 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

Tgt Ion:	178	Resp:	26445
Ion Ratio	Lower	Upper	
178	100		
176	20.3	18.4	27.6
179	15.2	13.6	20.4





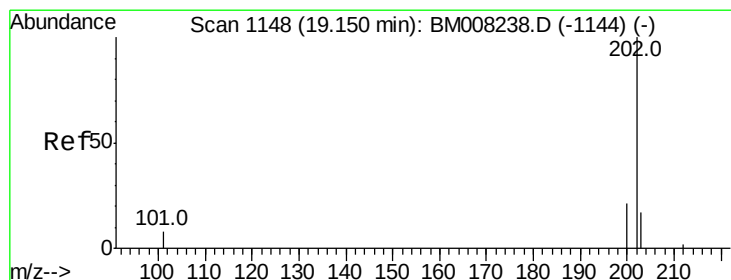
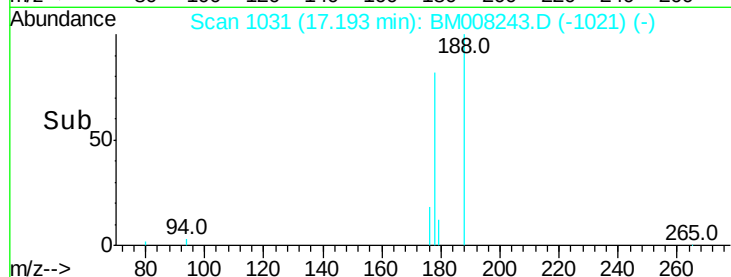
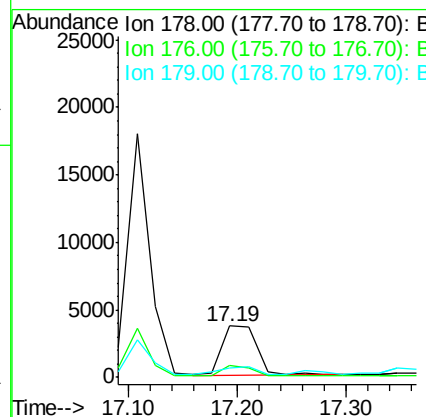
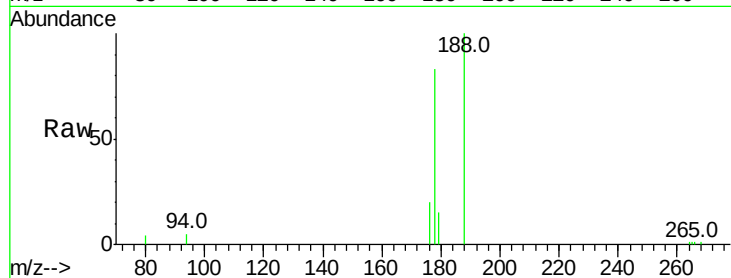
#13
 Anthracene
 Concen: 1.13 ng/ul
 RT: 17.19 min Scan# 1031
 Delta R.T. -0.03 min
 Lab File: BM008243.D
 Acq: 10 Dec 2016 21:41

Instrument :
 BNA_M
 ClientSampled :
 DA812

Tot Ion:178 Resp: 8104
 Ion Ratio Lower Upper
 178 100
 176 23.7 18.1 27.1
 179 17.8 14.7 22.1

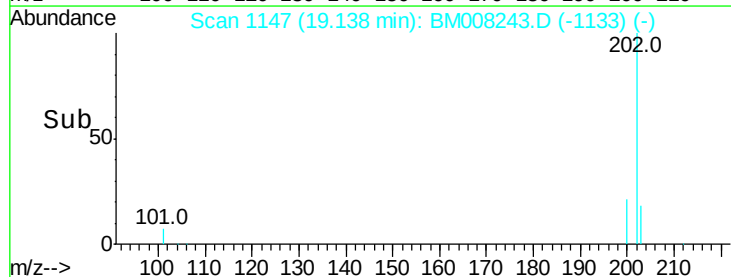
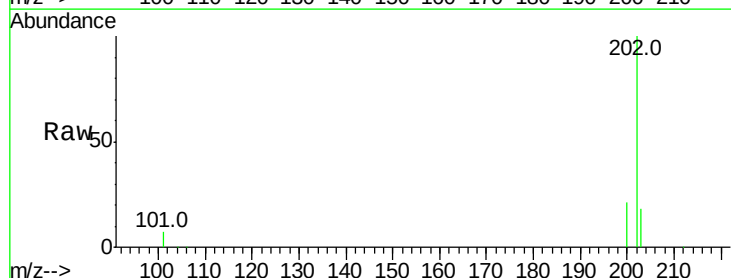
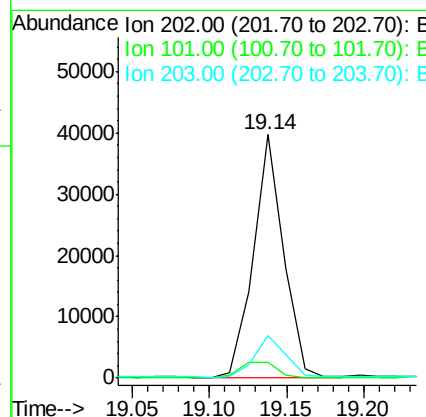
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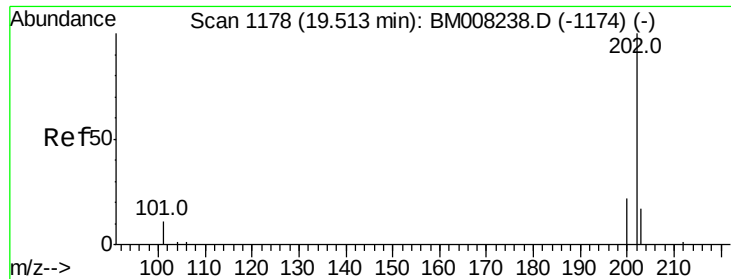
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#15
 Fluoranthene
 Concen: 5.44 ng/ul
 RT: 19.14 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BM008243.D
 Acq: 10 Dec 2016 21:41

Tgt Ion:202 Resp: 53448
 Ion Ratio Lower Upper
 202 100
 101 6.6 0.0 30.3
 203 17.5 0.0 39.5





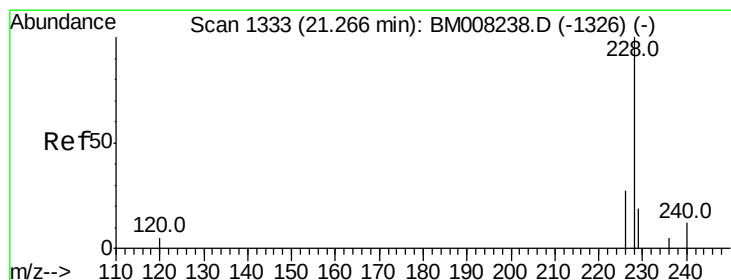
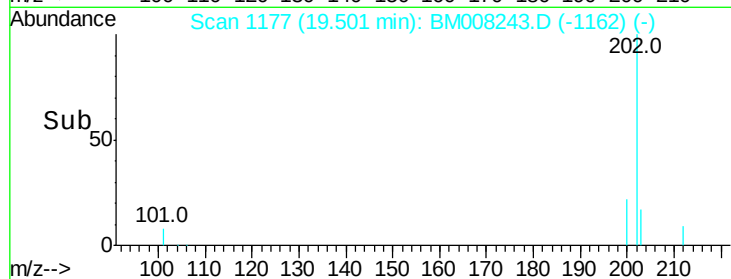
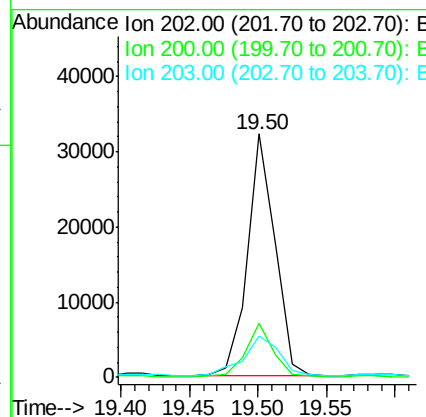
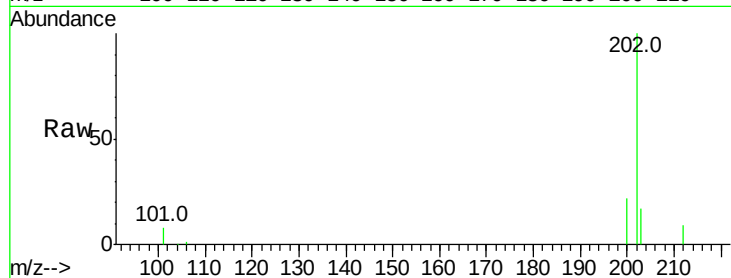
#17
Pvrene
Concen: 5.39 ng/ul
RT: 19.50 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BM008243.D
Acq: 10 Dec 2016 21:41

Instrument :
BNA_M
ClientSampleId :
DA812

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	18.2	27.4
203	17.1	15.6	23.4

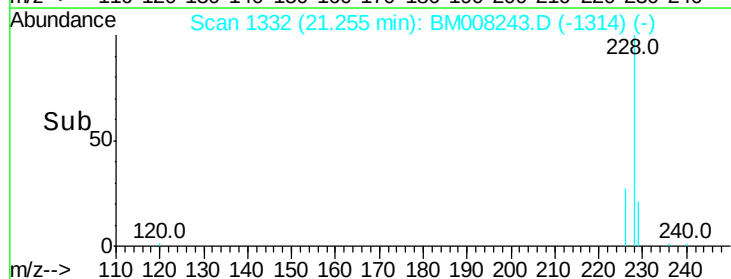
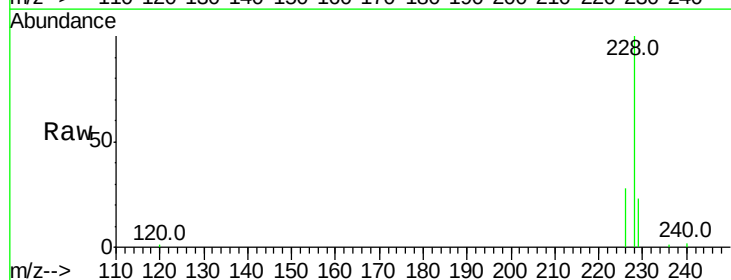
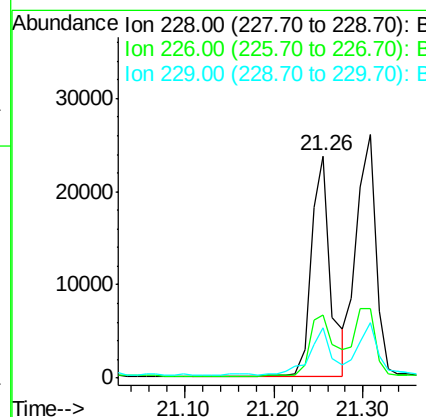
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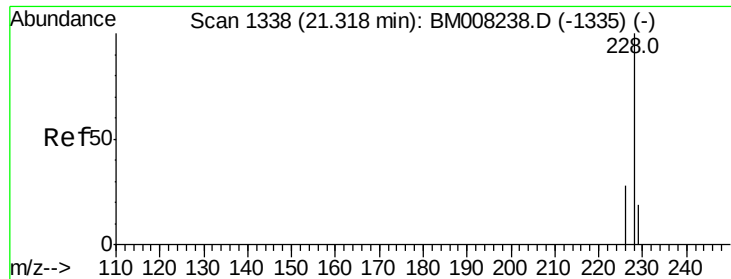
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#18
Benzo(a)anthracene
Concen: 4.86 ng/ul
RT: 21.26 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BM008243.D
Acq: 10 Dec 2016 21:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.8	34.2
229	22.8	17.0	25.6





#19

Chrysene

Concen: 4.26 ng/ul

RT: 21.31 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

DA812

Tot Ion:228 Resp: 38899

Ion Ratio Lower Upper

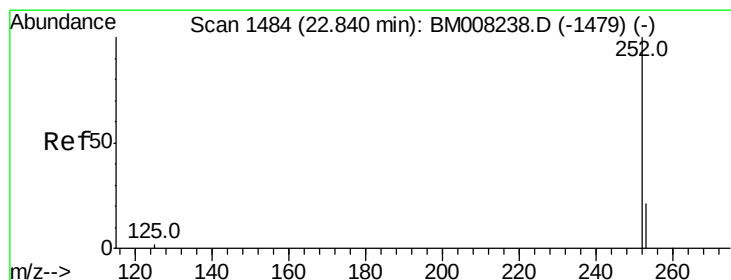
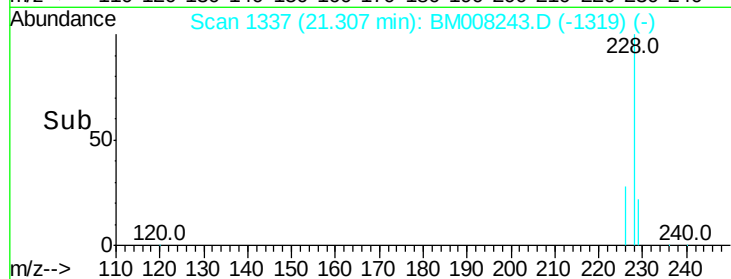
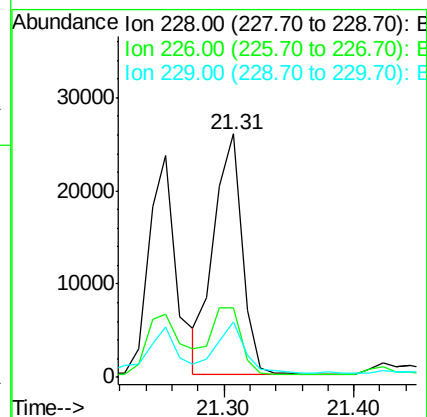
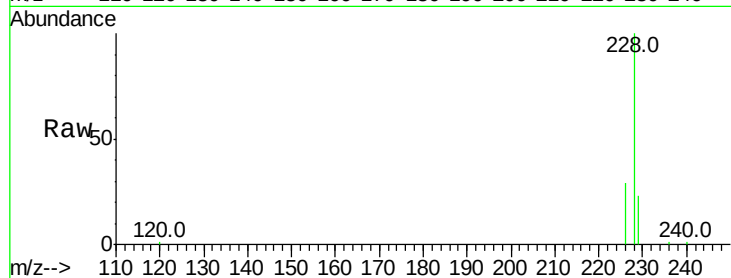
228 100

226 28.7 23.4 35.0

229 22.8 17.7 26.5

Manual Integrations
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#21

Benzo(b)fluoranthene

Concen: 8.08 ng/ul m

RT: 22.83 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

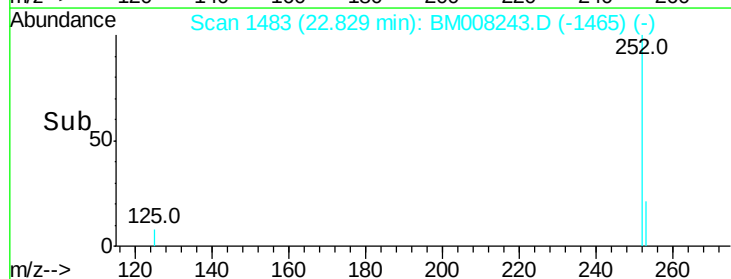
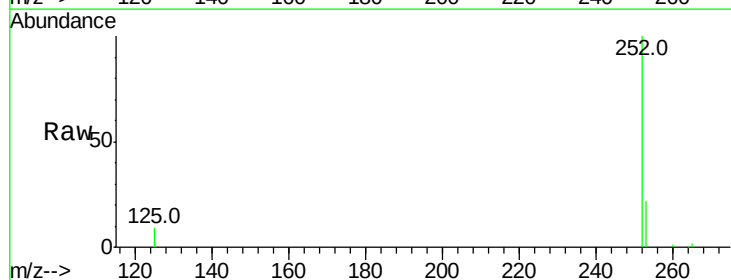
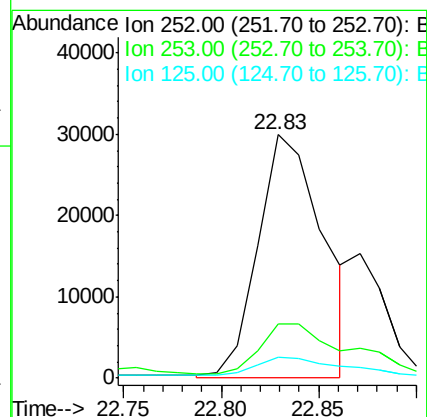
Tgt Ion:252 Resp: 69146

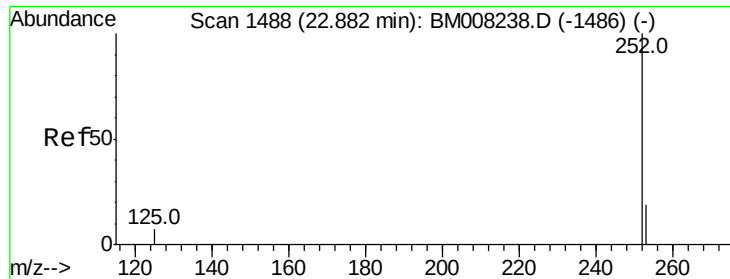
Ion Ratio Lower Upper

252 100

253 22.2 0.0 64.2

125 8.7 0.0 35.0





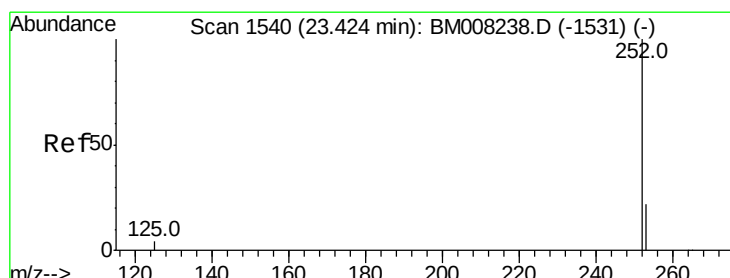
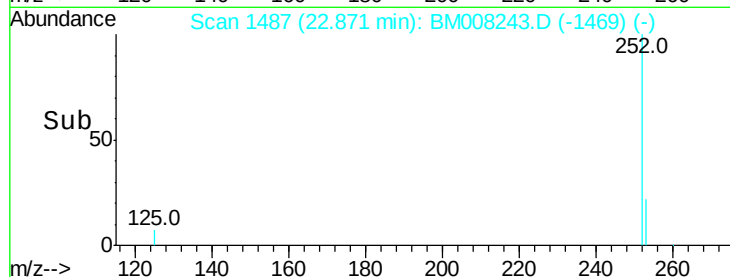
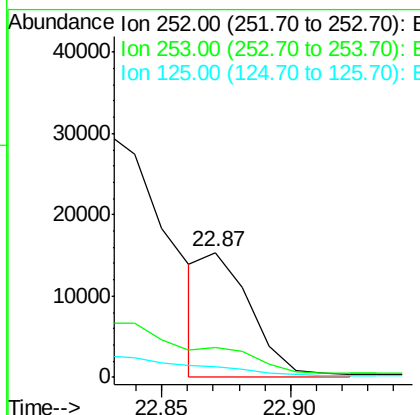
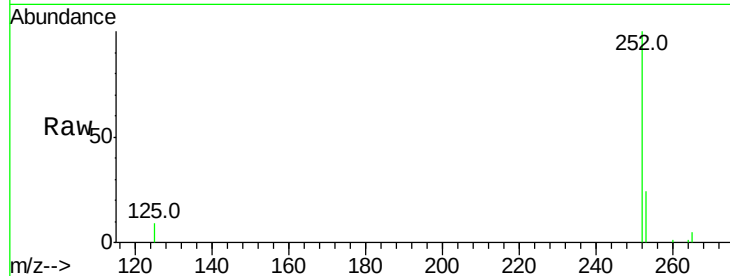
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Benzo(k)fluoranthene
Concen: 2.28 ng/ul m
RT: 22.87 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BM008243.D
Acq: 10 Dec 2016 21:41

Instrument :
BNA_M
ClientSampleId :
DA812

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	24.5	36.7#
125	8.7	13.7	20.5#

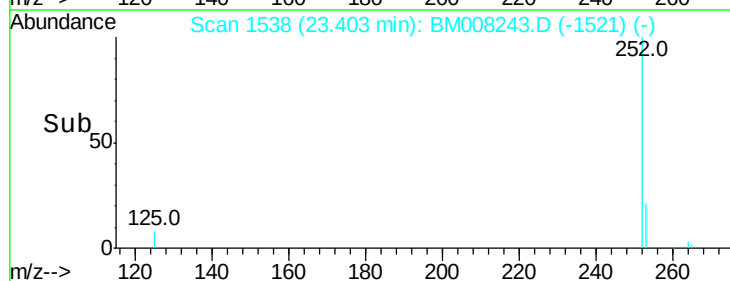
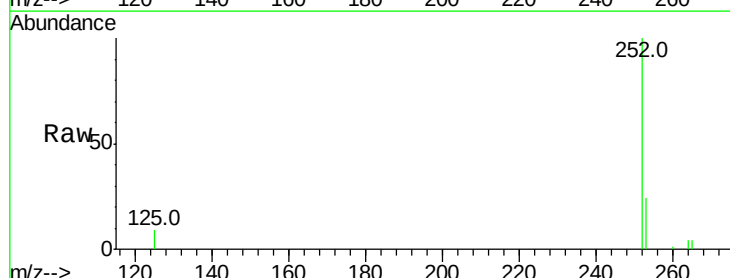
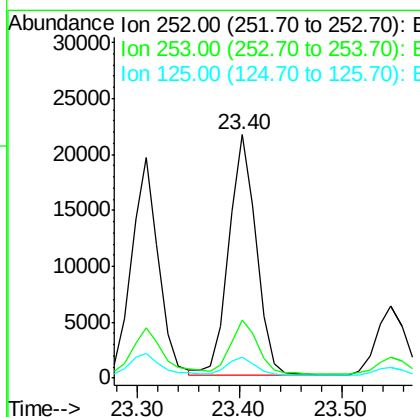
Manual Integrations
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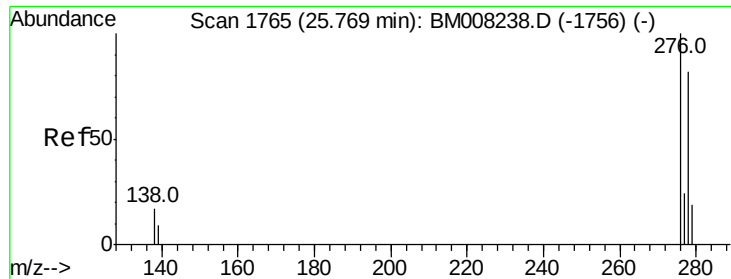
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#23
Benzo(a)pyrene
Concen: 4.94 ng/ul
RT: 23.40 min Scan# 1538
Delta R.T. -0.02 min
Lab File: BM008243.D
Acq: 10 Dec 2016 21:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	28.5	42.7#
125	8.7	18.1	27.1#





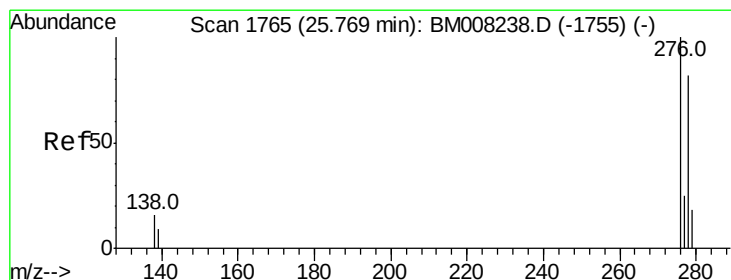
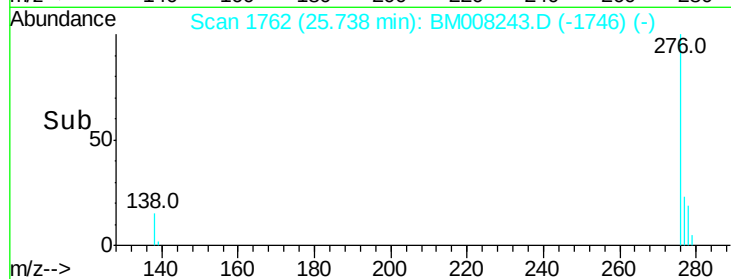
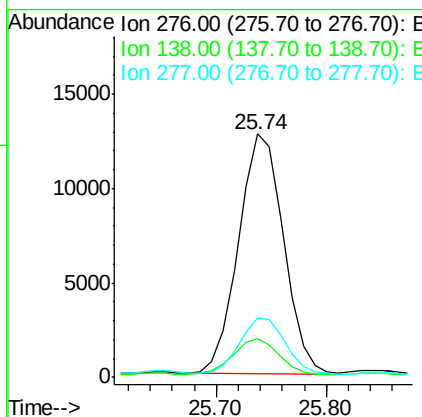
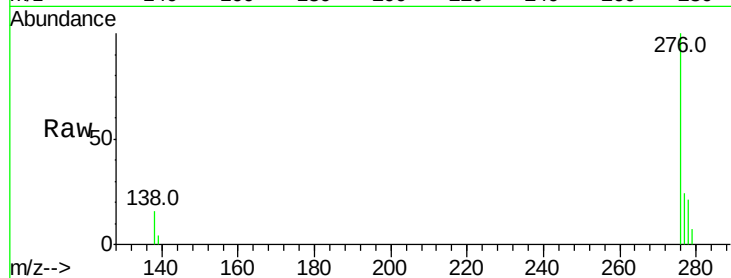
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 3.62 ng/ul
 RT: 25.74 min Scan# 1762
 Delta R.T. -0.03 min
 Lab File: BM008243.D
 Acq: 10 Dec 2016 21:41

Instrument :
 BNA_M
 ClientSampleId :
 DA812

Tot Ion:276 Resp: 35878
 Ion Ratio Lower Upper
 276 100
 138 15.0 19.1 28.7#
 277 23.9 19.6 29.4

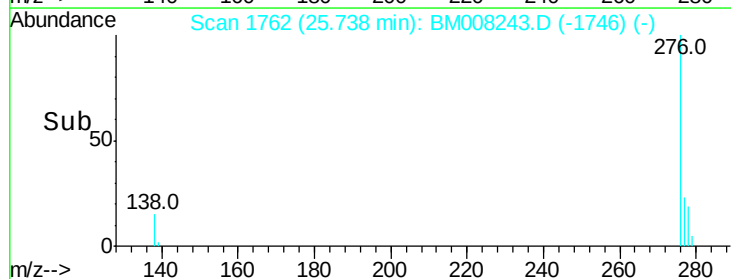
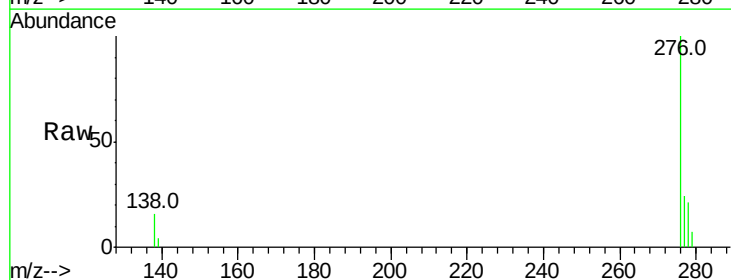
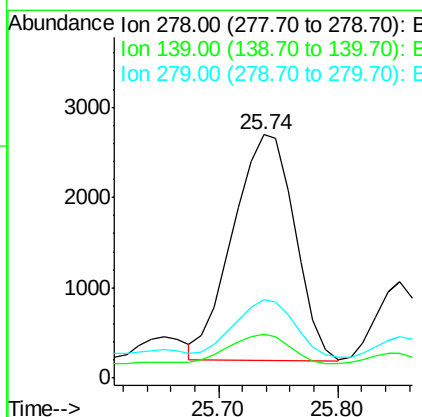
Manual Integrations
 APPROVED

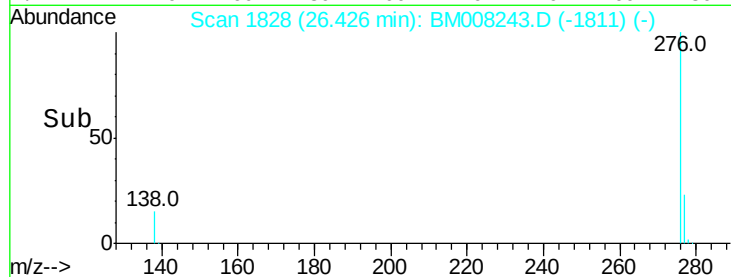
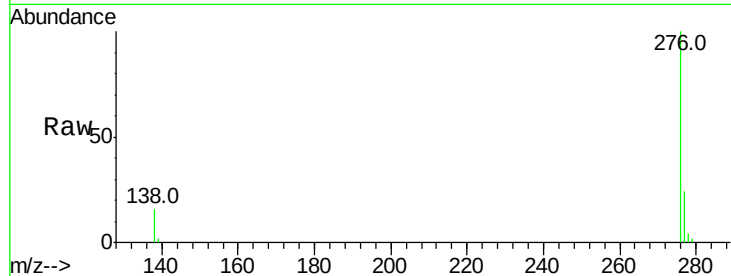
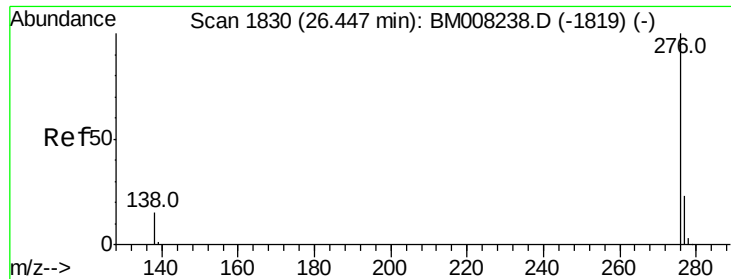
UMANGI
 12/12/2016 6:50:31 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.13 ng/ul
 RT: 25.74 min Scan# 1762
 Delta R.T. -0.03 min
 Lab File: BM008243.D
 Acq: 10 Dec 2016 21:41

Tgt Ion:278 Resp: 9005
 Ion Ratio Lower Upper
 278 100
 139 18.3 17.4 26.0
 279 32.1 25.9 38.9





#26
Benzo(a,h,i)perylene
Concen: 3.47 ng/ul
RT: 26.43 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BM008243.D
Acq: 10 Dec 2016 21:41

Instrument :
BNA_M
ClientSampleId :
DA812

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	21.8	32.8
138	16.5	20.5	30.7

Manual Integrations
APPROVED

UMANGI
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